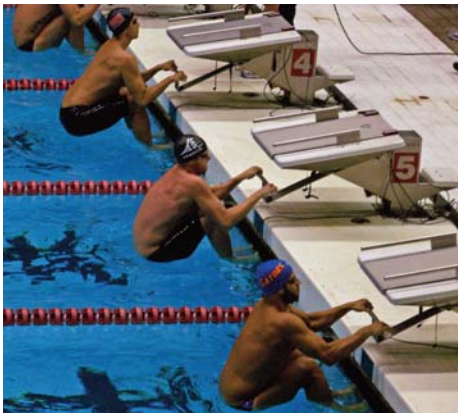
Colorado Time Systems
A PLAYCORE Company

Complete Timing, Scoring, Training and Display Solutions

2013



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Trust in the Leader

Commitment

You have a commitment to your fans, your team, and your community. CTS is committed to you, and ensuring that your facility is the best that it can be for you, your fans, your team, and your community. Our sales consulting staff, project management team, installation crew and customer service group are dedicated professionals who will help you design, install, and maintain your scoring, timing and display systems for maximum impact, return on investment and revenue generation.

Industry Knowledge

Our product engineers and designers have over 45 years combined experience. With a comprehensive network of contacts within the industry, we are kept abreast of developments in the industry as they arise. You can rest assured that our technology is the best available on the market today.

Project Management

With the purchase of a timing, scoring and display solution, a comprehensive project management team is assigned to assist you in achieving a seamless installation, and unparalleled support once the project has been completed. A Project Manager oversees your installation from contract to completion. The Project Manager is your point of contact through installation, and will interface with you, the architect and the construction company.
Members of the project management team include:

- Sales Management
- Software Engineer
- Mechanical Engineer
- Structural Engineer
- Installation Supervisor

Customer Support

- 24 x 7 Enhanced customer support available
- Phone, email support
- On-Site service
- On-Site installation
- Training courses
- Maintenance videos

Financing

Colorado Time Systems has partnered with Nationwide Business Capital to provide financing to organizations wishing to purchase equipment. Contact your sales consultant for additional information.

Colorado Time Systems is the Official Scoring System of USA Diving, the Official Scoring and Display Systems supplier of U.S. Synchronized Swimming, the Official Scoring and Timing System of USA Water Polo, the Official Timing and Display System of the American Swimming Coaches Association, the Official Timing and Scoring Partner of United States Masters Swimming, the Official Partner of the FINA Junior World Swimming Championships, China Swimming Association, Federacion Mexicana de Natacion, and the Brazilian Swimming Federation.

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Table of Contents

Timing & Touchpad System Diagrams ..... page 2
Start Systems
- Infinity Start System ..... page 3
- Championship Start System ..... page 4

Timing Systems
- Dolphin ..... page 5
- System 6 Timing Console ..... page 6
- System 5 Timing Console ..... page 8

Championship Touchpads ..... page 9
Relay Judging Platforms (RJPs) ..... page 10
Starting Blocks ..... page 11
Cable Harnesses & Accessories ..... page 12
Diving & Synchronized Swimming ..... page 13
Water Polo Solutions ..... page 14
Pace Clocks ..... page 15
Deck Clock & Training Tools ..... page 16
Aquatic LED Numeric Displays ..... page 18
Multisport LED Numeric Scoreboards ..... page 20
LED Matrix Displays ..... page 22

A letter from Colorado Time Systems:

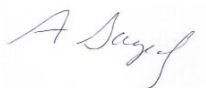
I would like to take this opportunity to thank you for your support over the last 41 years. Our customers are at the center of everything we do at Colorado Time Systems. It is only with your input that we are able to bring the best products to the market.

Our expansion efforts haven't slowed down, and we've added another eight countries to our customer database. Today, we span the globe with customers in over 120 countries, and have run meets in every continent in the world.

You can expect to see Colorado Time Systems in more facilities and at more events across the globe. We encourage you to take a look at our newly launched LED numeric scoreboard line; which includes a scoreboard for every sport.

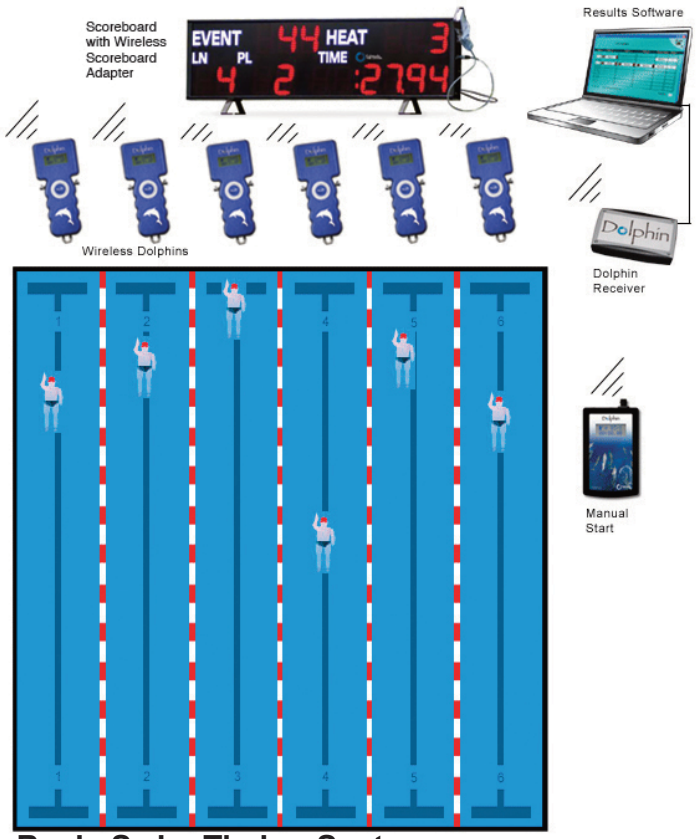
We would like to thank each and every one of you for your continued loyalty and support. You can count on the industry leader for your complete timing, scoring, display and training solutions.

Sincerely,

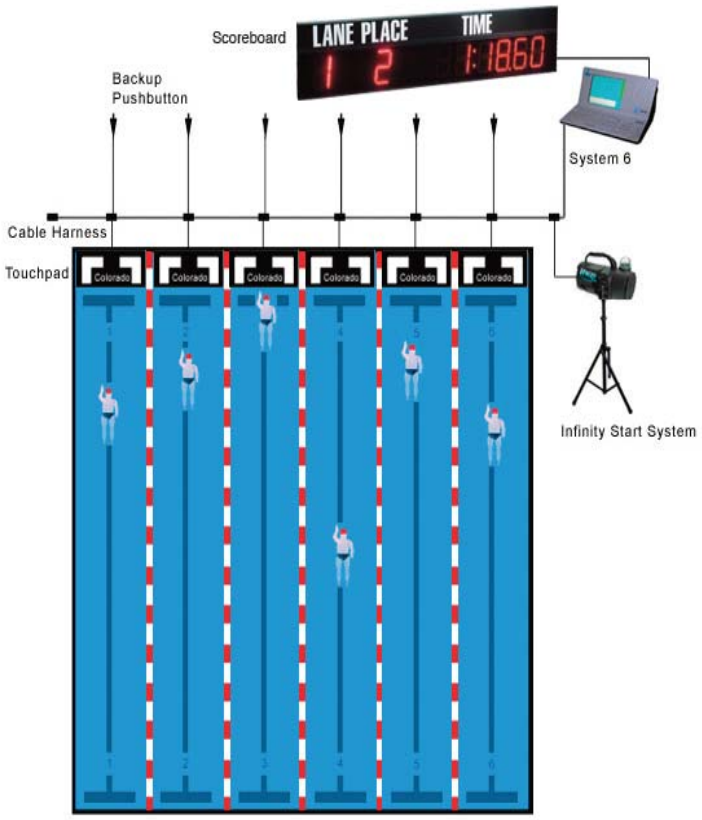


Anita Sayed, Ph.D.
General Manager
Colorado Time Systems

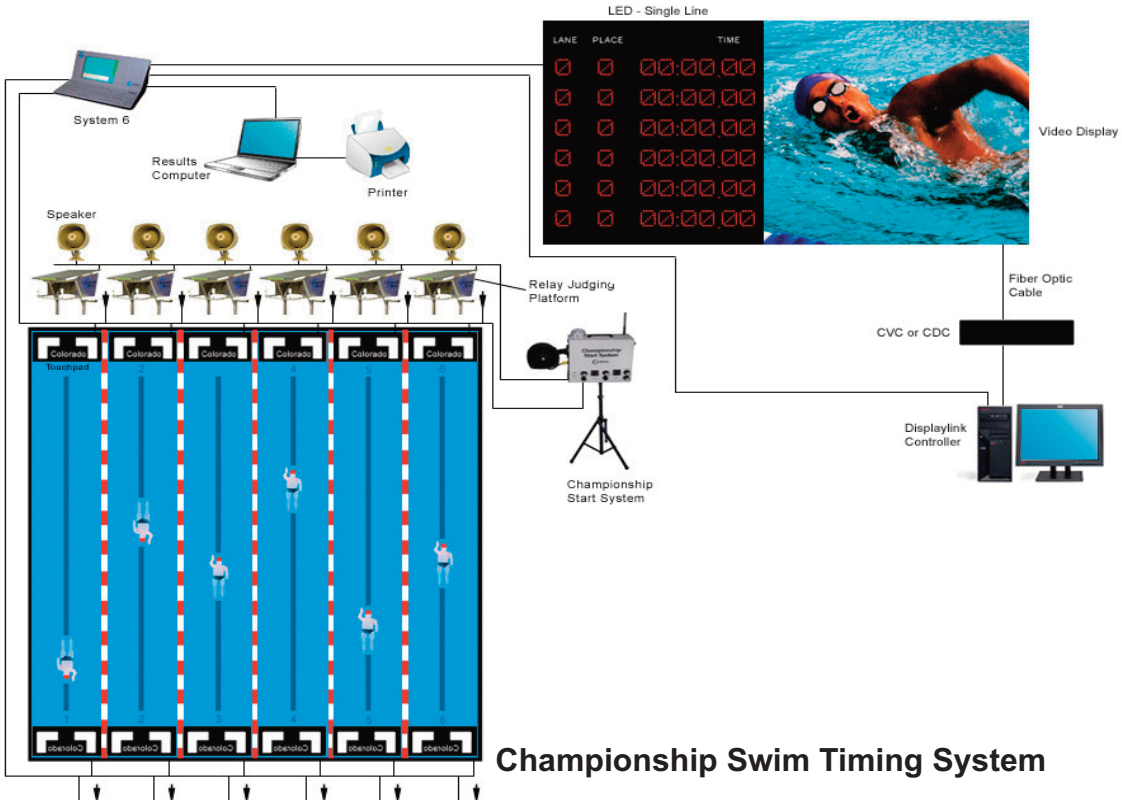
Timing & Touchpad System Diagrams



Basic Swim Timing System



Basic Touchpad Swim Timing System



Championship Swim Timing System

Start Systems

Start your meets with confidence with a Start System from Colorado Time Systems. Choose from the Infinity Start System or the Championship Start System. Both are excellent choices, and offer limited PA functionality.

Infinity Start System

Infinity Start System makes an excellent entry-level start system, and its lower cost makes it a great choice for smaller pools and recreation centers. It is an easy-to-use portable start system and limited public address system.

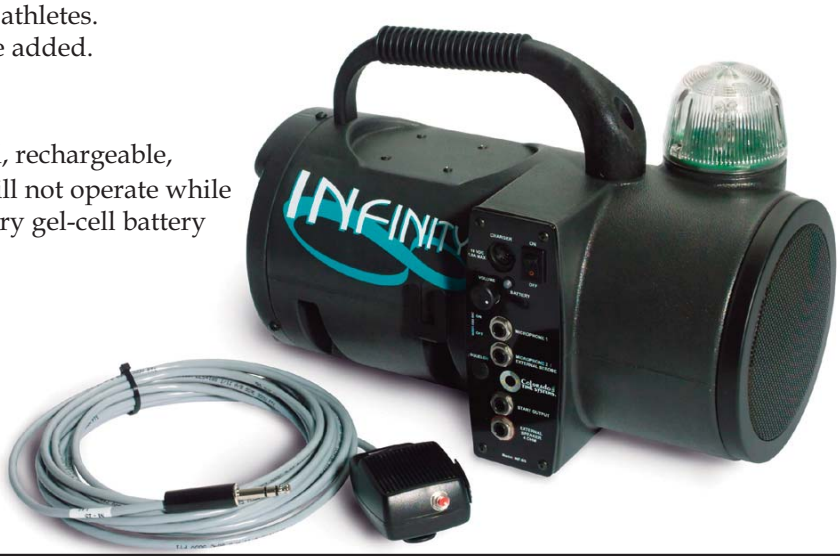
- **Microphones**
  The Infinity Start System includes a wired microphone.

- **Built-in 360° strobe**
  Flashes with the start signal. This gives timers and officials a reliable start reference, and provides a visual cue to hearing-impaired athletes. Additional strobe lights may be added.

- **Battery power**
  The Infinity runs on an internal, rechargeable, gel-cell battery. The Infinity will not operate while charging. An optional secondary gel-cell battery and charger are available.

- **Limited public address system**
  The Infinity Start System can serve as a limited public address system, allowing you to make announcements during practice and competition.

Height: 8.9 inches (22.6 cm)
Length: 15 inches (38.1 cm)
Width: 6.9 inches (17.5 cm)
Weight: 12 pounds (5.4 kg)



Infinity Start System & Accessories	
part #	**description**
INF-SSM	Infinity Start System, 110/120V
INF-SSMF	Infinity Start System, 220/240V
INF-LSIx	Cable, Timer to Wallplate (available in lengths of 10-, 25- or 50-feet)
TR-3	Tripod for Infinity or Championship Start System
R-INF-SPxxx	Infinity external 40-watt speaker (available in lengths of 125- or 200-feet)
R-INF-SJxxx	Infinity start jumper cable (available in lengths of 25-, 50-, 75-, 100-feet, 50m)
M-25	Microphone with 25-foot cable
EXTSTROBE	Infinity external strobe
SMK-1	Kit to mount speaker on backstroke pole
BP-3	Spare battery and external charger

Championship Start System

The Championship Start System delivers rugged durability and long lasting performance. This high-powered, easy to set up system is an excellent choice for larger aquatic facilities.

- **Microphones**
  - Three separate microphone inputs: two wired and an optional wireless microphone
  - Independent volume control for each microphone input; microphone volume is independent of start tone volume

- **Speedlights**
  LEDs across the front of a Colorado Time Systems' Relay Judging Platform that flash simultaneously with the Championship Start speaker tone and strobe light. The Championship Start System can drive Speedlights on RJPs in up to 12 lanes. Speedlights level the playing field for hearing-impaired athletes, and offer all athletes a visual cue.

- **External 360° strobe**
  Flashes with start signal. This gives timers and officials a reliable start reference, and provides a visual cue to hearing -impaired athletes.

- **Underwater speaker**
  Add an underwater speaker for underwater recall of false starts, and as an exceptional training tool.

- **Battery or 110/240V power**
  The Championship Start System has the flexibility to be used in a fixed location with 110/240V power, or as a portable system with battery power. Batteries are internal, rechargeable gel-cell batteries, which will recharge automatically when the unit is plugged into a wall outlet. LED Low Battery Indicator alerts you when the battery level is getting low. This unit will operate while charging.

- **Limited public address system**
  The Championship Start System can serve as a limited public address system, allowing you to make announcements during practice and competition.

Height: 13.25 inches (33.7 cm)
Width: 13 inches (33 cm)
Depth: 5.75 inches (14.6 cm)
Weight: 17.4 pounds (7.9 kg)

Championship Start System & Accessories

part #	description
SS	Championship Start System w/wired microphone
WSS	Championship Start System w/wireless microphone, 110/120V
WSSF	Championship Start System w/wireless microphone, 220/240V
M-25	Microphone with 25-foot cable
TXR	Wireless microphone
CMP-WPxx	Cable, timer to wallplate (available in 25- and 50-feet)
SP-UND	Underwater speaker for Championship Start System
SP-6/45	External 40-watt speaker (available with 125- or 200-feet cable length)
SMK-1	Kit to mount speaker to backstroke pole
CMP-ES	External strobe
TR-3	Tripod for Infinity and Championship Start Systems

Timing Systems

Dolphin

Wireless Stopwatch Timing System

Dolphin is a proven wireless timing system with a fully integrated Hy-Tek Meet Management interface. Dolphin provides wireless, synchronized, stopwatch-style timing for swimming competitions. It significantly reduces the amount of effort required to run a meet and manage data. By eliminating manually writing in times and manually typing them, the system has dramatically improved accuracy in comparison to manual stopwatches.

The Dolphin system includes:

- Handheld wireless stopwatches for each lane (the system supports up to 3 lane timers per lane, and up to 10 lanes)
- Starter unit
- Base unit, which connects via USB cable to your laptop running Hy-Tek Meet Manager with the Dolphin module
- Split time tracking (up to 10 split-times per event)

Three modes of operation:

Electronic Synchronized Start/Manual Stop
Connect the starter unit to any CTS electronic start system. All watches will start timing with the start system signal. Each watch stops when the lane timer stops it.

Manual Synchronized Start/Manual Stop
The official with the starter unit presses the START/STOP key. All watches start timing from this signal. Each watch stops when the lane timer stops it.

Manual Start/Manual Stop
This mode is used for collecting backup times at major events, and is compliant with all swimming ruling bodies' (FINA, NCAA, USS, NFHS, YMCA) requirements for backup timing. Lane timers start and stop the watches independently for a fully manual system.

In all three modes, the times are wirelessly transmitted and saved for immediate access by Meet Manager. The starter unit is used to reset the system before the next race.

Dolphin Scoreboard Adapter
The Dolphin Scoreboard Adapter allows your CTS LED numeric scoreboard to wirelessly receive and display split and result data from the Dolphin system.

Who can use Dolphin?
Everyone. Whether you use Dolphin in competition or practice, Dolphin is an accurate, wireless, and effortless timing solution. Dolphin will save you time and improve data accuracy, all by simply connecting to your laptop.

Requirements
Hy-Tek Meet Manager
Laptop Computer (running Windows)

Specifications
Wireless: 16 channels, spread spectrum, 2.4 GHz
Battery: Standard 9V provides 40+ hours of operation
Physical dimensions of wireless stopwatch:
Size (L x W x D): 2.75" x 4.5" x 1" (7cm x 11.4cm x 2.5cm)
Weight: 5.8 oz (165 grams)
RoHS compliant, CE compliant
U.S Patent Nos.: 7,821,876 and 8,085,623

Dolphin is approved by USA Swimming, Swimming Australia, and Swimming NSW.

Dolphin Configurations

part #	description
WTS-D1061	6-lane with 1 watch per lane
WTS-D1062	6-lane with 2 watches per lane
WTS-D1063	6-lane with 3 watches per lane
WTS-D1081	8-lane with 1 watch per lane
WTS-D1082	8-lane with 2 watches per lane
WTS-D1083	8-lane with 3 watches per lane
WTS-D1101	10-lane with 1 watch per lane
WTS-D1102	10-lane with 2 watches per lane
WTS-D1103	10-lane with 3 watches per lane
R-1004-0506	Spare stopwatch

Start System Adaptor Kits

part #	description
K-DSS-1	Dolphin to Infinity
K-DSS-2	Dolphin to Championship Start System

System 6 Timing Console

Colorado Time Systems sets the standard in aquatic timing and scoring with the System 6 Timing Console. The System 6 is used worldwide at Championship meets, including FINA and NCAA Championships.

The System 6 is your central timing console and coordinates incoming and outgoing information from the key components of your complete timing system. System 6 is a standalone unit dedicated solely to timing and scoring, which improves your ability to run an event with confidence.

Swimming and diving software programs come standard with each system. Water Polo and Pace Clock software are also available. You can switch between sports by utilizing the keyboard inserts provided with each additional software package.

For over four decades, Colorado Time Systems has led the aquatics industry with innovative, reliable products for scoring and timing. Colorado Time Systems is synonymous with precision and accuracy in swim timing.

The System 6 has been designed to meet and exceed current needs, and easily allow for upgrades and enhancements in the future, extending the life of your investment.

Subtracted Splits:
The System 6 can post subtracted splits to LED matrix displays or specially configured single line numeric modules.

Scoreboard Cycling:
If you have fewer lines of numeric scoreboard than lanes in your pool, the System 6 can cycle the lanes automatically.

Intensity Control:
The System 6 has a built-in feature to control the intensity of the LED Numeric Scoreboards and LED Pace Clocks. This is beneficial when using a facility for both day and night events, as well as indoor and outdoor events.

Intelligent Button Handling:
The System 6 will apply the ruling governing bodies rules to backup buttons on a per lane basis. The appropriate rule will be used to generate the backup time based on the number of buttons that are received for a lane.

You have the option to automatically adjust the backup time for a lane with a discrepancy. If backup time adjustment is turned on, the System 6 will calculate the average differential across all good lanes and factor that into the backup time.

Relay Judging:
The System 6 has improved relay judging in swimming. The window of time surrounding the touchpad hit is alterable during set up. This lets you constrain the amount of time the System 6 is looking for an RJP impulse, thus avoiding external influences such as athletes hitting the RJPs or stretching on them.

Start Reaction:
The System 6 will measure the time difference between the start signal and the impulse from the RJP or the touchpad (backstroke starts). When the start reaction time is enabled, the System 6 will post the start reaction time to the scoreboard.

Declare Start/Finish End:
You can tell the System 6 where odd and even length races will start, which determines where they will finish. This way, in a 50m race you can start at the far end and finish at the near end (odd length race). The even length races would be set to start at the near end, which will then finish at the near end.

Dynamic Sponsor Message:
Load your own sponsor message and it will appear at the top of each results page print out.

Lane Re-Arming:
The System 6 will automatically turn on any lanes that are listed as lanes used in a pool after a Reset. This way, there is no chance of leaving a lane off when a swimmer is in the next heat.

Product Specifications:
Product Safety Approval: UL Certification
Dimensions (H x W x D): 9.75" x 18.38" x 11.5"
(24.8 cm x 46.7 cm x 29.2 cm)
Weight: 10 pounds (4.6 kg)
Power: 120V 50/60Hz 0.8 Amps
Construction: Durable molded plastic

Enhanced split handling
Race split times are printed as they occur. Lap and cumulative splits are stored, and can be posted to LED matrix display scoreboard during a race. The System 6 supports unlimited splits, both near-and far-end.

Expanded lane capability
The System 6 is the only system on the market that can support up to 12 lanes. The System 6 is engineered for flexibility in lane shifting and lane reversal. This allows you, for example, to shift your race course to the center lanes of your pool yet keep the lane numbering standard.

Meet management
The System 6 is compatible with Hy-Tek Meet Manager, and many other Meet Management Programs.

Rechargeable battery
The System 6 includes a rechargeable battery for backup in case of an emergency power outage.

Large, full-color screen
The System 6 has the largest screen on the market - 8.4" x 6.3". The large, backlit color screen makes it easy for you to read the information displayed.

Internet upgrade capability
Ethernet connection for unlimited race information storage and easy system upgrades.

Multi-sport options
Optional changeable keyboard inserts and software programs are available for water polo and training pace clock.

USB functionality
Support of PCL printers (USB or parallel), memory stick for data transfer, keyboard, and mouse support

Sky-Fi wireless option
This hardware add-on allows you to transmit data wirelessly from your Timing Console to your LED scoreboard (numeric or matrix), or wireless pace and/or shot clocks.

System 5 Timing Console

Our fifth generation timing console, the System 5, offers large memory capacity, a full matrix display and an extensive array of options.

- Pre-programmed event sequencing with customizing capabilities
- Large on-screen display
- Meet management interface port for PC download
- On-screen warning messages to assist operator
- Automatically flags 3/10th second discrepancy
- Additional sport programs available
- Memory capacity to over 500 races
- System self-diagnostics
- Automatic and semi-automatic relay judging option

External printer capability

System 5 interfaces to any full-size IBM PCL compatible printer for clear, easy to read customized print-outs. Print race results, splits, or an entire condensed meet summary at any time during or after the event.

Adjustable full matrix LCD display

The System 5 screen is a full-size LCD display providing complete race information including our "mini scoreboard" feature. A contrast control assures clear, crisp images in any environment.

Additional on-screen windows allow selections for events, equipment options, and self-diagnostics for the timing console, touchpads, cables, scoreboard, and buttons.

The System 5 operates up to 40 hours on eight "D" batteries with on-screen gauge to monitor power reserve. A 115V wall transformer is included as an alternate power source. A 220V alternate power source is also available.

Multi-sport options

Swimming and diving programs are standard. The System 5 offers optional changeable keyboard inserts and software programs for water polo and pace clock.

Product Specifications

General: System 5 consists of a multi-sport computer console, swim and diving keyboard inserts and built-in clock calendar. Timing and placing capability for up to ten individual lanes. Includes data transfer to Windows-based computers.

Power: Primary power source includes eight (8) internal D-cell alkaline batteries for safety. Alternate power is 115VAC via wall transformer.

Timing and Placing: Select timing resolution of 0.001 or 0.01 second with a timing range of 99:59.999.

Front Panel Display: Selectable lane or place finish. Race and Lane status, Pad status, Lane Arming status, and HELP text are displayed on the 25 x 80 line character LCD display to allow operator to see the entire race status at a glance. Includes on-screen battery gauge for monitoring battery power.

Splits: Race time splits are printed as they occur. Far-end splits capability using single computer console.

Championship Touchpads

Standard Surface and AquaGrip® Touchpads

Get a Grip on every start and turn!

CTS AquaGrip touchpads feature the patented AquaGrip texture over the foundation of a tough plastic backbone. The AquaGrip touchpads combine the best starting and turning surface available with the proven design that all Colorado Time Systems touchpads have used for nearly four decades.

The all-plastic construction is tough and durable, yet their textured, non-skid surface is gentle on swimmers' hands and feet. The solid quarter inch plastic backbone, molded one-piece connectors and non-corrosive finish provide long-lasting reliability.

Our touchpads are lighter in weight than other touchpads, making it easier for one person to insert and remove the touchpads for an event, and avoiding any major damage if accidentally dropped on the deck or the bottom of the pool.

Although the touchpads are easy to insert and remove from the pool, they can be left in the water for the entire duration of a multi-day event, so you will not have to have the pool re-certified each day of an event.

Dependable, internally sealed switches record even the lightest swimmers' touch on the fully active face of all CTS touchpads, and along the top edge of gutter-mounted pads. You get an accurate finish every time with no "dead spots."

CTS touchpads can be custom made for any lane width and/or made with notches to accommodate various bulkheads or end walls to provide largest finishing surface.

Each facility is provided with custom touchpad brackets for your specific gutter. This avoids your pads shifting left or right when placed in the water.

Touchpad Caddy

Your Colorado Time Systems touchpads are precision electronic instruments, and can be protected with a touchpad caddy that provides safe storage and a convenient means to transport touchpads to the pool deck. Each caddy can accommodate up to 10 touchpads.

Specifications:

Caddy for standard pads:
Dimensions: 82″ x 47″ x 22″
(208.3 x 119.4 x 55.9 cm)
Weight: 105 lbs (47.6 kg)

Caddy for FINA or 96" pads:
Dimensions: 102″ x 60″ x 22″
(259 x 152.4 x 55.9 cm)
Weight: 150 lbs (68 kg)

Touchpads & Accessories

part #	description
TP-60F	60" X 24" Standard flatwall touchpad
TP-60G	60" x 22" AquaGrip gutterhung touchpad
TP-60GF	60" x 24" AquaGrip flatwall touchpad
TP-78F	78" x 24" Standard flatwall touchpad
TP-78G	78" x 22" AquaGrip gutterhung touchpad
TP-78GF	78" x 24" AquaGrip flatwall touchpad
TP-96	96" x 22" Standard surface gutterhung touchpad
TP-96G	96" x 22" AquaGrip gutterhung touchpad
TP-188.5	188.5cm x 90cm Standard (FINA) gutterhung touchpad
TP-188.5F	188.5cm x 90cm Standard (FINA) flatwall touchpad
TP-195	195cm x 90cm Standard (FINA) gutterhung touchpad
TP-195F	195cm x 90cm Standard (FINA) flatwall touchpad
TP-240	240cm x 90cm Standard (FINA) gutterhung touchpad
TP-240F	240cm x 90cm Standard (FINA) flatwall touchpad
TPM-D	Touchpad test meter
VP-2	Vacuum pump

Aquagrip US Patent No: 5,702,799

Relay Judging Platforms

Relay Judging is the most accurate way to judge relay exchanges.

Features:

- Light weight
- Custom logos available
- Suitable for all athletes, at all levels
- Dual connector block offers flexibility and convenience
- Deckside start indicator on connector block flashes simultaneously with the start system and speedlights for a visual cue to backup timers
- Simplified connection from RJP to cable harness or deck plate - a single connector runs parallel to the RJP to reduce the risk of accidental disconnect.
- Highest rated non-slip surface on the market
- Universal mounting system compatible with most Starting Block manufacturers

Custom logo for Virginia Tech

Relay judging

Colorado Time Systems' Relay Judging Platform technology is the most accurate way to judge relay exchanges. The RJP automatically compares the incoming swimmer's finish on the touchpad with the departure of the swimmer leaving the starting platform. The RJP will record the necessary information to judge a relay exchange to 1/100th of a second.

Start Reaction

On every start, the RJP senses when the swimmer leaves the block and compares the time to the start impulse from the start system with 1/100th of a second accuracy.

Speedlight Technology

LEDs across the front of the RJP flash simultaneously with the start tone and the strobe light. All athletes benefit from the visual signal, which they can easily see without altering their race-ready posture and train for the fastest reaction time humanly possible. Backstrokers will benefit from the visual start signal, just inches from their eyes.

Deckside Start Indicator

An LED is integrated into the connector block on the deck side. The LED flashes simultaneously with the start signal and speedlights to give the deckside backup timers a visual cue, and increase the accuracy of backup times.

Elegantly Engineered

Both the top and the leading edge of the RJP are sensitive to the swimmers' departure. Extensive research and elegant engineering allow the RJP to decipher between weight shifts and when a swimmer actually leaves the platform.

Accessories:

A tester is available to assist you in troubleshooting your units. Test for take off detection and speedlights. (RJPLD-T)

RJP Caddy

Protect your Relay Judging Platforms with the RJP Caddy. Caddies are available to hold RJPs that are either 20" wide (up to 24" long) or 24" wide (up to 32" long).

Design features:

- Optional hooks can be installed to store RJP cables
- Lightweight, sturdy aluminum construction

Starting Blocks

Colorado Block®

The Colorado Block® is an integrated starting block solution; a combination of Paragon Aquatics' Track Start Competitor starting block and Colorado Time Systems' Relay Judging Platform with Speedlights and under block start speaker.

The Colorado Block® will provide the competitive advantage to facilities and provide:

- *Accuracy in competition.* Facilities with the Colorado Block® can rely on all the benefits of the CTS' RJPs.
- *Training advantage.* Teams who train with the Colorado Block®can fine-tune their start reaction times and relay exchanges with quantifiable results, giving them the competitive edge.
- *Simplified cabling.* Eliminate extra cables with the quick connect deckplate and connection hub system.

Kiefer "Surge" Starting Block

Features Include:

- Designed for seamless integration with CTS equipment.
- CTS Relay Judging Platform is removable for storage.
- CTS Control Hub and Starting horn mounts allow easy access for officials and technicians.
- Design allows internal housing of cables and connections for tangle-free routing and a clean deck.
- Conforms to regulations of long/short course competition for USA Swimming, NCAA, FINA, and NFHS.
- Powder coated 10-gauge T-304L stainless steel base and step support.

Spectrum Fusion® Starting Block

The Fusion Starting Block features an adjustable Track Start footrest as approved by FINA and USA Swimming.

Features:

- 32" x 24" non-slip surface platform top
- Stainless steel top with non-slip material (black only)
- Seamless integration with CTS relay judging technology
- Stainless steel side handles
- Grizzly/Growler single post anchor with patented anti-wobble locator pinned design
- Non-slip side step access
- 18" high backstroke handles

Cable Harnesses & Accessories

Cable Harnesses are an ideal solution for facilities that do not have in-deck cabling available.

Pushbuttons:

Colorado Time Systems' equipment allows for backup timing of 1-, 2-, or 3-buttons per lane.

CTS cable harnesses are designed to be used in a pool environment without the need for additional protection from the environment.

Cable Harnesses & Accessories	
part #	**description**
CH41-6	6-lane touchpad, pushbutton primary harness
CH41-6-3	6-lane pushbutton backup harness
CH41-8	8-lane touchpad, pushbutton primary harness
CH41-8-3	8-lane pushbutton backup harness
CH41-10	10-lane touchpad, pushbutton primary harness
CH41-10-3	10-lane pushbutton backup harness
CH41-12	12-lane touchpad, pushbutton primary harness
CHE-41P-50M	Extension for primary CH41
CHE-41-50M	Extension for primary & backup CH41
PB-6	Backup pushbutton with 6' cable

Diving & Synchronized Swimming

Count on Colorado Time Systems for a complete solution for all aquatic sports

Scoreboards	Timing/Scoring Console	Additional Products

Diving

System 6 or System 5

Wireless Judging Terminals

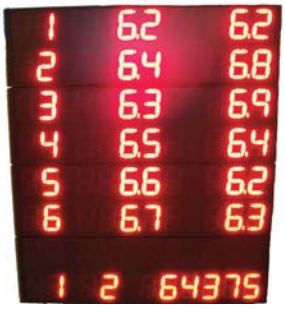
Choose from a variety of scoreboards

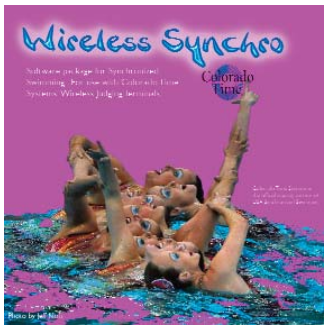
Colorado Time Systems is the Official Scoring System of USA Diving

Synchro

Wireless Synchro Software

Wireless Judging Terminals





Choose from a variety of scoreboards

Colorado Time Systems is the Official Scoring System of USA Synchro

Wireless Judging

Increase your diving and synchronized swimming meet efficiency, safety, and reduce your overall system cost with Wireless Judging Terminals.

Easy to Set up: No more cables running on the deck. Simply connect the Wireless Interface Box to your Timing Console and assign judge numbers to each Wireless Judging Terminal (WJT).

Easy to Use: Each judge enters his or her score on the WJT when prompted by the Timing Console. The WJT transmits the scores for each judge to the Timing Console. The Timing Console then calculates the score.

Water Polo Solutions

Water Polo

System 6 or System 5

Shot Clocks/Wireless Horn

Choose from a variety of scoreboards

Scoring and Timing Console (Integrated System)
Utilize your existing swim timing console and add-on water polo software for a comprehensive solution. Using the System 6 or System 5 Timing Console, the operator can control the shot clocks, game time, three penalty times per team, team scores, and manually sound the horn; using our numeric or matrix scoreboards. The operator can also edit the preset times and set the time of day. Wireless options are available.

Scoreboards
Water Polo game and scoring information can be displayed on any CTS LED numeric, single-color LED matrix or full-color LED matrix display.

Wireless Water Polo

We are pleased to introduce a completely wireless scoring solution for water polo. The portable scoreboard can be moved within your facility to accommodate the best viewing for your audience (caddy sold separately). Game and shot time are displayed in an all-new ruggedized polyethylene molded plastic enclosure that is water and sun resistant and completely corrosion free.

Water Polo Clock Features:
- 10″ LED digits display shot time, 5″ LED digits display game time
- Integrated horn - performs separate shot and game tones
- Integrated batteries
- Can be used as a deck side pace/time of day clock when not being used for competition

Scoreboard Features:
- Molded plastic handle for ease of portability
- 10″LED digits display game time and home/guest score
- 7″ LED digits display period
- Integrated horn - performs separate shot and game tones
- Integrated batteries

Both the scoreboard and clock are controlled with a 2.4GHz wireless controller with an operating distance up to 1,000 ft.

"What sets Colorado Time Systems' equipment apart for us is the value proposition. They make great, reliable scoreboards, 30-second clocks and other water polo electronics, and they provide premium equipment at outstanding prices. They are also innovators, offering new solutions in score keeping as well as training tools."

-- CHRISTOPHER RAMSEY, CHIEF EXECUTIVE OFFICER, USA WATER POLO

Pace Clocks/Shot Clocks

Basic Pace Clock/Shot Clock (PC-Portable/PC-Standard)

Wireless Pro Pace Clock/Shot Clock (PCW-PRO)

Choose the functions you need:

Pace Clock
All of these units can be run as standalone pace clocks, or set to run in a series of pace clocks with or without a timer or controller. Every pace clock in a series displays the same information.

Shot Clock
Choose the Pro Pace Clock/Shot Clock, or the PC-Portable version of the Basic Pace Clock for Water Polo Shot Clock functionality. Shot clocks must be connected to the timer. Additional clocks can be added to display game time, time out time, and team scores.

Wireless Capability
All versions of the Pace Clock/Shot Clocks are available with the ability to transmit and receive data wirelessly.

Special Training Modes and Display Options
The Pro Pace Clock/Shot Clock was designed with you and your athletes in mind, which 15 training modes to fine-tune skills and create customized workouts. It can also show a variety of display options. The Pro Pace Clock can be used either with or without a timer or controller.

Pro Pace Clock Training Modes
Many modes require additional equipment for timing input. Contact your salesperson for details, and help in designing your ideal training system.

- Lap Counter
- Simple Pace Clock
- Pace Clock with Cumulative Splits
- Pace Clock with Lap Splits
- Relay Exchanges
- Start Reaction
- Turn Speed
- Breakout Time
- Reaction and Breakout Time
- Single Lane Lap Timer (1, 2, 3, 4 or multiple laps)
- Mid-Race Timer

Pro Pace Clock Display Modes
The Pro Clocks can display the following information from a System 5 or System 6 Timing Console:

- Swimming: Lane times, Event/Heat
- Training: Lane times
- Diving: Dive Number & Position, Current Round/Current Diver
- Water Polo: Game Clock, Shot Clock, Time Out Clock, Team Scores
- Synchro: Award

Pace Clock/Shot Clock Options & Accessories

part #	wireless part #	description
PC-Standard	PCW-Standard	Basic Pace Clock with red LED digits, handle and legs. Two intensity settings, No battery; A/C only
PC-Portable	PCW-Portable	Basic Pace Clock with red LED digits, internal horn and battery, handle and legs. Two intensity settings.
PC-Pro-R	PCW-Pro	Pro Pace Clock with red LED digits, internal horn and battery, handle and legs. Fifteen training modes.
UPC-C	--	Pace Clock Controller
TR-3	--	Tripod Kit
PC-WMK	--	Wall Mount Kit
PC-FMK	--	Flush Mount Option

Deck Clock / Training Tools

Deck Clock

NEW!!

Deck Clock (DC-1500)

The Colorado Deck Clock is an excellent deck side display solution, cleverly designed to prevent tipping. The deck clock features a ruggedized polyethylene enclosure that is both water and sun resistant, and completely corrosion free. The built in handle allows for easy carrying from point to point.

Multi-functional
The Deck Clock can be used as a game/shot clock for water polo, or set to pace in time of day.

Bright LED Digits
Variable intensity settings allow comfortable visibility in a variety of environments and times of day or night.

Wireless
Wirelessly receives game/shot data from CTS tabletop or handheld 2.4GHz wireless controllers. Can also receive wired data from the System 6 Timing Console.

Pacing
Pace in time of day (hours, minutes and seconds) without any controller. Multiple clocks will automatically synchronize in pace mode.

Integrated Horn
The clock has an integrated weatherproof horn that produces both game and shot tones. This eliminates the need for separate game horn units.

Training Tools

- Pace Clock Pro
- RJPLD
- Train Right System
- Touchpads
- Underwater Speaker
- Deck Clock

NEW!!

"Colorado Time Systems' world class products at our events will directly and positively impact the event experience."

--ROB BUTCHER - Executive Director, U.S. Masters Swimming

The TRAIN RIGHT System from Colorado Time Systems allows athletes to achieve peak performance. This unique package of training tools provides immediate visual feedback to both the coach and athlete, while offering the sound and feel of competition.

The Pace Clock displays accurate feedback to coaches and athletes regarding relay exchange, start reaction, turn speed, and breakout times.

The individual components of the system can also be utilized during competition and other training.
This standalone, portable one-lane training system includes:

- Pace Clock Pro
- Pushbutton
- 30-inch "mini" Touchpad or 76" x 90" Touchpad
- Relay Judging Platform with Speedlights
- Infinity Start System or Championship Start System

Colorado Time Systems is the Official Timing and Display System of ASCA, the American Swimming Coaches Association

www.coloradotime.com

Numeric Displays

Colorado Time Systems' numeric scoreboards are a cost-effective way to provide information, involve the audience and showcase the athletes for all aquatic sports. Modules can be used individually or combined in multiple-module scoreboard designs.

Whether you choose light-reflective or LED digits, your display will enhance your program and provide exceptional visibility. Designed specifically for the aquatic environment, your scoreboard's high-quality construction resists corrosion in any environment, giving you years of trouble-free service.

Panels can be added to the numeric scoreboard for sponsor advertising or facility/team name.

Numeric scoreboards can be set to display information for swimming, diving, water polo, synchronized swimming, track and other sports by simply moving the digits. The scoreboard may also serve as a time-of-day clock and pace clock.

Numeric LED scoreboards are available in red or amber (standard); or custom color for an additional fee.

Indoor and outdoor signage and message boards are also available.

Numeric scoreboard modules can be configured vertically and mounted in a corner or on a flat wall. Modules may also be configured side by side and flat wall mounted. Caddies are also available for up to 5 scoreboard modules, to provide a portable solution.

Berry College - Mount Berry, GA

Carlsbad High School - Carlsbad, NM

Countdown Clock

Count down to any target time you specify.

Displays up to four digits for days, allowing for countdowns up to 9,999 days (more than 27 years!). Optional custom sign panels with sturdy enclosures are available to describe the countdown event. A different sign panel can be ordered when you are ready to count down to a new event.

LED-REX

You can easily upgrade your light-reflective scoreboard to the newer LED versions with our retro-fit solution. Contact a Sales Consultant today for more information on this option.

6-Digit Scoreboards

Signage & Digits in one enclosure

A scoreboard that incorporates the best of both worlds. These 6-digit scoreboards are ideal for those who are space- and cost-conscious, but don't want to sacrifice information provided by traditional single line scoreboards. The sleek design allows you to display home and guest scores OR current event and heat without the need for additional signage. If you still want more, a dual purpose 6-digit scoreboard is available that allows you to show both scores and event/heat on the SAME LINE of scoreboard. Available with red or amber digits.

Module dimensions are the same as the LED-R single module scoreboards, so these 6-digit boards stack beautifully with each other and other lines of scoreboard.

Numeric LED Scoreboards

Multisport Solutions NEW!!

Durability: Each scoreboard is enclosed in a rugged powder-coated aluminum enclosure, and all digits and circuit boards are conformal coated to protect from harsh environments and withstand the test of time. The high gain flush mount patch antenna is mounted on an LED digit and protected by the Lexan cover to prevent breakage by errant balls and/or weather.

Integrated 2.4 GHz wireless: Our scoreboards utilize integrated 2.4GHz wireless technology, with 12 operating channels to eliminate interference and allow multiple games to operate in close range.

Time of day clock: Each scoreboard has an integrated real time of day chip (RTC), and can be programmed to display standard or military time. In between games, the scoreboard will revert to show time of day. If multiple scoreboards are used in the same area, they will synchronize the time automatically.

Horn: The integrated horn has eight (8) different tones, with four (4) volume settings that can be set with the tabletop controller. The handheld controller has the ability to sound two (2) pre-set tones.

Baseball / Softball Scoreboards

The Colorado Baseball scoreboards are the ideal solution for recreational baseball/softball fields.

BB-1100

BB-1101

American Football / Soccer / Lacrosse / Field Hockey / Volleyball / Water Polo Scoreboards

The Colorado Outdoor/Indoor Team Sports scoreboards are an ideal solution for mid-range facilities, and can be used for any number of sports.

FB-1200

FB-1201

Key Features:

- High visibility LED digits
- Enclosures can be customized to match your team colors
- Rugged powder-coated aluminum enclosures
- 2.4GHz integrated wireless
- Indoor or outdoor use
- Flexibility to select captions based on your application
- Removable Lexan panels for easy cleaning
- Conformal coated

Basketball / Wrestling / Hockey / Volleyball / Water Polo Scoreboards

The Colorado Indoor Team Sports scoreboard is an ideal solution for multi-use facilities, and can be used for any number of sports.

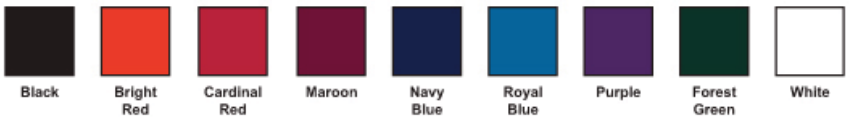
BK-1300

BK-1301

Multisport Scoreboard

The Colorado Multisport scoreboard is an ideal solution for facilities that require an all-encompassing scoreboard solution. Mount the display on the rolling caddy (as pictured) for easy portability from one game to the next. This scoreboard is available as a wall-mount unit, or a portable unit with batteries.

Enclosure colors:



Controllers:

Wireless Tabletop Controller (WTTC-1)

Wireless Handheld Controller (WHC-1)

Each Colorado scoreboard requires either the tabletop or handheld controller for operation. Both units feature an operating distance up to 1,000 ft, buttons with tactile dome feedback, and large transflective LCD screens that are easily readable in all environments from darkness to bright sunlight.

LED Matrix Displays

Single Color LED Displays

These dynamic boards can be programmed in seconds to display scores for multiple sports, as well as text, graphics, animations and logos.

The modular design can be customized to fit any facility, and budget. Our LED Matrix Displays are conformal coated to withstand the harsh environment of an aquatic facility. High quality LEDs are used to ensure the best quality and brightness available on the market today.

West Point Military Academy - West Point, NY

23mm Red Indoor LED Matrix Display
(96 x 176) - 2.2m x 4.0m (7.2 ft x 13.1 ft)

Washington State University - Pullman, WA

30mm Red Indoor LED Matrix Display
(96 x 192) - 2.9m x 5.8m (9.5 ft x 19.0 ft)

Soda Aquatic Complex - Moraga, CA

30mm Red Outdoor LED Matrix Display
(96 x 128) - 2.9 x 3.8m (9.5 ft x 12.5 ft)

Summit Area YMCA - Summit, NJ

SUMMIT AREA
Event 1
Heat 1
1 0 Jon SYM 00:00.00
2 0 Chad SYM 00:00.00
3 0 Andrew SYM 00:00.00
4 0 Brett SYM 00:00.00
5 0 Phil SYM 00:00.00
6 0 Chris SYM 00:00.00
7 0 Tao SYM 00:00.00
8 0 Dustin SYM 00:00.00

23mm Amber Indoor LED Matrix Display
(80 x 144) - 1.8m x 3.3m (5.9 ft x 10.8 ft)

Clovis Unified School District - Clovis, CA

"This scoreboard is a nice thing for us! We have never had the capacity before - now we will be able to do chase starts, run both ends of the pool; and have (2) 8-lane courses on the board at the same time. We'll be able to display heat, lane, time, and place, then come back and import for finals, and put names on the board."

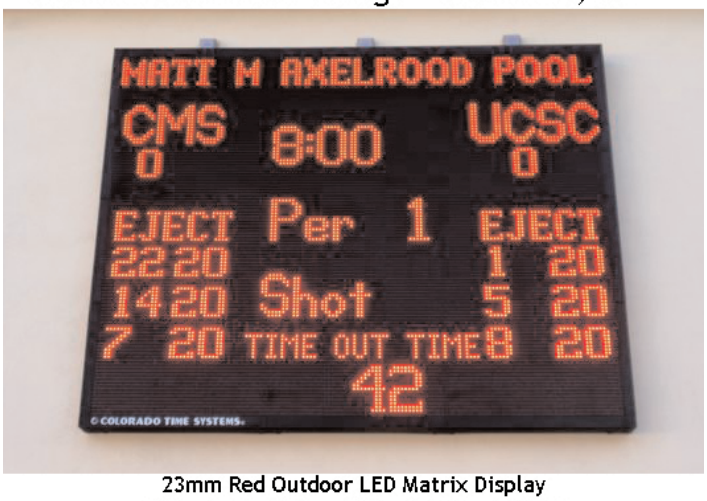
--JOHN MCGOUGH - DIRECTOR OF CLOVIS UNIFIED AQUATICS

Ln Pl Event 13 Heat 3 Lap 0
1 VAN DYKE, K SBS 30.3
2 METZLER, T FDS 30.3
3 CLARK, L SLO 30.3
4 SOLORIO, T BSC 30.3
5 HURE, R SLO 30.3
6 DINIS, C MSJ 30.3
8 BROWN, K NGS 30.3

30mm Red Outdoor LED Matrix Display
(96 x 160) - 2.9m x 4.8m (9.5 ft x 15.7 ft)

Single Color LED Displays

Claremont McKenna College - Claremont, CA



23mm Red Outdoor LED Matrix Display
(112 x 144) - 2.6m x 3.3m (8.5 ft x 10.8 ft)

Coronado High School - Coronado, CA

30mm Red Outdoor LED Matrix Display
(80 x 160) - 2.4m x 4.8m (7.9 ft x 15.7 ft)

Roseville Aquatics Complex - Roseville, CA

30mm Red Outdoor LED Matrix Display
(96 x 160) - 2.9m x 4.8m (9.5 ft x 15.7 ft)

Saddleback Community College - Mission Viejo, CA

30mm Red Outdoor LED Matrix Display
(96 x 128) - 2.9m x 3.8m (9.5 ft x 12.5 ft)

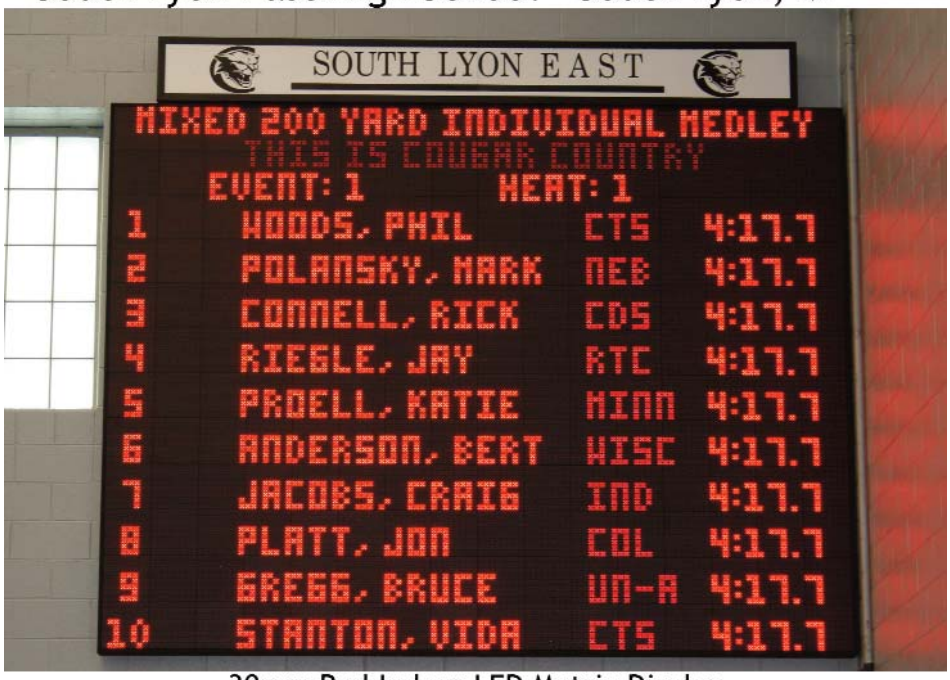
Trail Aquatic & Leisure Center - Trail, BC (CAN)

23mm Amber Indoor LED Matrix Display
(96 x 128) - 2.2m x 2.9m (7.2 ft x 9.5 ft)

U.S. Coast Guard Academy - New London, CT

23mm Red Indoor LED Matrix Display
(72 x 112) - 1.7m x 2.6m (5.6 ft x 8.5 ft)

South Lyon East High School - South Lyon, MI


SOUTH LYON EAST
MIXED 200 YARD INDIVIDUAL MEDLEY
THIS IS COUGAR COUNTRY
EVENT: 1 HEAT: 1
1 WOODS, PHIL CTS 4:17.7
2 POLANSKY, MARK NEB 4:17.7
3 CONNELL, RICK CDS 4:17.7
4 RIEGLE, JAY RTC 4:17.7
5 PROELL, KATIE MINN 4:17.7
6 ANDERSON, BERT WISC 4:17.7
7 JACOBS, CRAIG IND 4:17.7
8 PLATT, JON COL 4:17.7
9 GREGG, BRUCE UN-A 4:17.7
10 STANTON, VIDA CTS 4:17.7

30mm Red Indoor LED Matrix Display
(96 x 128) - 2.9m x 3.8m (9.5 ft x 12.5 ft)

"We liked the flexibility of the scoreboard, with its ability to display multiple sports. It complements the facility -- the new scoreboard provides recognition for the swimmers by displaying their entire names. The board has all of the features imaginable. CTS stands by their products and they stand by their customers."

-- MIKE TEAGAN -
ASSISTANT DIRECTOR OF
ATHLETICS

Mira Costa High School - Manhattan Beach, CA

35mm Red Outdoor LED Matrix Display
(80 x 96) - 2.8m x 3.4m (9.2 ft x 11.2 ft)

"We're the envy of all Southern California. It was great to work with Colorado Time Systems. The install was timely, and they trained us on the software and everything went smoothy. They did a lot of good things for us!"

--LAUREN BURTON - VP, MEANS AND WAYS
COMMITTEE; MUSTANG AQUATIC BOOSTER
CLUB

Full Color LED Video Displays

Video scoreboards and displays can be used as a standalone unit or combined with numeric or single color LED displays for added impact. Video boards display full color scores, text, graphics, animations, video replays and logos.

Our LED Matrix Displays are conformal coated to withstand the harsh environment of an aquatic facility. High quality LEDs are used to ensure the best quality and brightness available on the market today. We offer a comprehensive solution, including: assistance with facility design, architectural guidelines, consulting during construction, project management, installation, operator training, post sales support, on-site service, game day management, and maintenance.

University of Arizona - Tucson, AZ

23mm Full Color Outdoor LED Matrix Display
(112 x 208) - 2.6m x 4.8m (8.5 ft x 15.7 ft)

Grossmont High School - La Mesa, CA

23mm Full Color Outdoor LED Matrix Display
(96 x 144) - 2.2m x 3.3m (7.2 ft x 10.8 ft)

"The CTS team were professionals of the highest degree. We have a relationship with CTS staff that exudes confidence and trustworthiness. Anyone pursuing an aquatics facility in their future should call on Colorado Time Systems for their timing and video integration needs."

--JON JAUDON - ASSOCIATE A.D. FOR ADMINISTRATION / VIRGINIA TECH

Christiansburg Aquatic Center - Christiansburg, VA

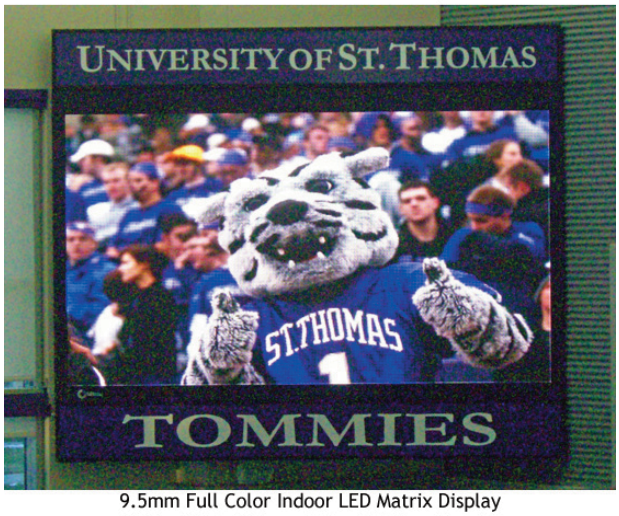
23mm & 12mm Full Color Indoor LED Matrix Displays
(144 x 256) - 3.3m x 5.9m (10.8 ft x 19.4 ft) &
(208 x 352) - 2.5m x 4.2m (8.2 ft x 13.8 ft)

Full Color LED Video Displays

Downers Grove South High School - Downers Grove, IL

18mm Full Color Indoor LED Matrix Display
(112 x 208) - 2.0m x 3.7m (6.6 ft x 12.1 ft)

University of St. Thomas - St. Paul, MN



9.5mm Full Color Indoor LED Matrix Display
(288 x 512) - 2.7m x 4.9m (8.9 ft x 16.1 ft)

Northwest Recreation Center - Salt Lake City, UT

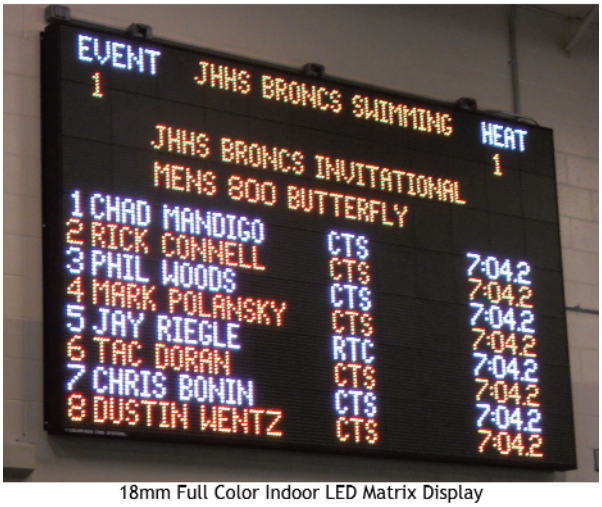
NORTHWEST RECREATION CENTER
200 METER FREESTYLE EVENT 1 HEAT 1
1 CHAD MANDIGO CTS 3:04.8
2 JAY RIEGLE RTC 3:04.8
3 BRETT ANDERSON CTS 3:04.8
4 CRAIG JACOBS CTS 3:04.8
5 CHRIS BONIN CTS 3:04.8
6 RICK CONNELL CTS 3:04.8
7 KATIE PROELL CTS 3:04.8
8 TINA WALLEN CTS 3:04.8

23mm Full Color Indoor LED Matrix Display
(80 x 160) - 1.8m x 3.7m (5.9 ft x 12.1 ft)

Nanaimo Aquatic Centre - Nanaimo, BC

23mm Full Color Indoor LED Matrix Display
(112 x 208) - 2.6m x 4.8m (8.5 ft x 15.7 ft)

Jackson Hole High School - Jackson Hole, WY


EVENT 1
JHHS BRONCS SWIMMING
HEAT 1
JHHS BRONCS INVITATIONAL
MENS 800 BUTTERFLY
1 CHAD MANDIGO CTS
2 RICK CONNELL CTS 7:04.2
3 PHIL WOODS CTS 7:04.2
4 MARK POLANSKY CTS 7:04.2
5 JAY RIEGLE RTC 7:04.2
6 TAC DORAN CTS 7:04.2
7 CHRIS BONIN CTS 7:04.2
8 DUSTIN WENTZ CTS 7:04.2

18mm Full Color Indoor LED Matrix Display
(112 x 192) - 2.0m x 3.5m (6.6 ft x 11.5 ft)

Corby Pool - UK

23mm Full Color Indoor LED Matrix Display
(96 x 208) - 2.2m x 4.8m (7.2 ft x 15.7 ft)

Cleveland State University - Cleveland, OH

23mm Full Color Indoor LED Matrix Display
(144 x 256) - 3.3m x 5.9m (10.8 ft x 19.4 ft)

"It has been a goal of CSU for the last several years to have a quality top of the line display board for the world class Robert F. Busbey Natatorium on the campus of Cleveland State University. Our new Colorado Time Systems board is getting rave reviews. The clarity, resolution and innovative designs along with the instant replay are fantastic. The board exceeds our expectations and we look forward to maximizing its use for many years to come."

--WALLY MORTON - DIRECTOR OF COMPETITIVE AQUATICS

University of Notre Dame - Notre Dame, IN

"The display does so much more than just give us the time. The colors and video capabilities are such a huge upgrade from what we had. We can show our team videos of them swimming. We can use the display to run clips from Olympic trials and other videos. The whole installation helps with recruiting because it's an upgrade to the facility. It shows our recruits that the University is interested in the team."

--MATT TALLMAN - ASSOCIATE HEAD SWIM COACH

23mm Full Color Indoor LED Matrix Display
(144 x 256) - 3.3m x 5.9m (10.8 ft x 19.4 ft)

www.coloradotime.com
Colorado TIME SYSTEMS A PLAYCORE Company

Full Color LED Video Displays

Grosse Pointe South High School - Grosse Pointe Farms, MI

23mm Full Color Indoor LED Matrix Display
(128 x 224) - 2.9m x 5.2m (9.5 ft x 17.1 ft)

"The Colorado timing and display system has tremendously helped our school to offer the most state-of-the-art pool facility. CTS has been more than accommodating with all of our requests and it is evident that they strive for excellence with all of their products. I would highly recommend CTS to any other Athletic Director across the country without hesitation."

--BRANDON SLOANE - ASSISTANT PRINCIPAL AND ATHLETIC DIRECTOR

"Colorado Time Systems is always trying to create a better experience for the coaches, swimmers, and fans. The big difference between CTS and other manufacturers is that CTS is a swimming company that makes scoreboards too, versus a scoreboard company that happens to make timing equipment. CTS is focused on the coaches, the swimmers, and improving both the meets and training. All around, they are out to improve the sport of swimming."

--ERIC GUNDERSON - BOYS SWIM COACH

Duke University - Durham, NC

Taishoff Aquatics Pavilion
DUKE UNIVERSITY
2008 SWIMMING AND DIVING
CTS TEST MEET
1 CHAD MANDIGO CTS 3:45.3
2 BRETT ANDERSON CTS 3:45.3
3 CRAIG JACOBS CTS 3:45.3
4 MARK POLANSKY CTS 3:45.3
5 KATIE PROELL CTS 3:45.3
6 CHRIS BONIN CTS 3:45.3
7 PHIL WOODS CTS 3:45.3
8 BOB CLAUSON CTS 3:45.3

18mm Full Color Indoor LED Matrix Display
(144 x 256) - 2.6m x 4.6m (8.5 ft x 15.1 ft)

Forest Hills Public Schools - Grand Rapids, MI

MIXED 100 FREESTYLE
FOREST HILLS AQUATIC CENTER
1 PROELL, K MIN 18.0
2 JACOBS, C IND 18.0
3 ANDERSON, B MIN 18.0
4 RIEGLE, J MICH 18.0
5 CONNELL, R COL 18.0
6 POLANSKY, M NEB 18.0
7 WOODS, P NCOL 18.0
8 MANDINGO, C VTN 18.0

23mm Full Color Indoor LED Matrix Display
(96 x 176) - 2.2m x 4.0m (7.2 ft x 13.1 ft)

Greenhill School - Addison, TX

GREENHILL SCHOOL
1 MANDIGO C CTS 00:00.00
2 RIEGLE J MICH 00:00.00
3 ANDERSON B CTS 00:00.00
4 JACOBS C CTS 00:00.00
5 CONNELL R CTS 00:00.00
6 BONIN C CTS 00:00.00

18mm Full Color Indoor LED Matrix Display
(64 x 128) - 1.2m x 2.3m (3.9 ft x 7.5 ft)

University of Maryland - College Park, MD

23mm Full Color Indoor LED Matrix Display
(128 x 240) - 2.9m x 5.5m (9.5 ft x 18.0 ft)

YMCA Aquatic Center - Orlando, FL

(2) 23mm Full Color Indoor LED Matrix Display
(96 x 336) - 2.2m x 7.7m (7.2 ft x 25.3 ft) & (96 x 176) - 2.2m x 4.0m (7.2 ft x 13.1 ft)

Minnetonka Aquatic Center - Minnetonka, MN

23mm Full Color Indoor LED Matrix Display
(96 x 176) - 2.2m x 4.0m (7.2 ft x 13.1 ft)

www.coloradotime.com ● info@coloradotime.com

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